Index of Claims

| Ann | lication | Cantral | Na |
|-----|-------------|---------|------|
| ~hh | iicatioi ii | Condo | 140. |

10/522,009

10/522,00 Examiner

Stephen M. Johnson

Applicant(s)/Patent under Reexamination

O'DWYER, JAMES MICHAEL

Art Unit

3641

√ Rejected
= Allowed

- (Through numeral) Cancelled

Restricted

N Non-Elected
I Interference

A Appeal
O Objected

| Cla | im | Date | | | | | | | | |
|--------------|----------------|--|----------|----------|--|--|--|--------------|--------------------|--------------------|
| | 11.1 | Date | | | | | | \dashv | | |
| Final | Original | 7/28/06 | | | | | | | | |
| 1 | 1 | = | | | | | | | | |
| 2 | 2 | = | | | | | | | | \neg |
| 4 | - | = | H | _ | | _ | _ | _ | | - |
| 5 | 3 | - | \vdash | _ | | _ | _ | | | \dashv |
| | 5 | Ι <u>-</u> | _ | _ | | - | | | | Н |
| 6 | | = | _ | _ | Н | _ | | | | \dashv |
| 7 | <u>6</u> | = | | | | | | | | Н |
| 7 | | = | | | | | | | | \Box |
| 8 | 8 | = | L | | | | | | | |
| 9 | 9 | = | | | | | | | | |
| 10 | 10 | = | | | | | | | | |
| 11 | 11 | = | | | | | | | | |
| 12 | 12 | = | | | | | | | | |
| 13 | 11 12 13 | = | | | | | | | | П |
| 14 | 14 | = | Г | | Г | | | | | П |
| 15 | 14 15 | = | ┢ | \vdash | \vdash | \vdash | <u> </u> | | | Н |
| 16 | 16 | = | _ | \vdash | | \vdash | T | | Т | Н |
| 17 | 17 | = | \vdash | \vdash | | \vdash | \vdash | \vdash | \vdash | Н |
| 18 | 18 | = | - | \vdash | | \vdash | - | \vdash | | Н |
| 10 | 19 | - | ├ | ⊢ | - | ⊢ | - | - | - | Н |
| 19 20 | 20 | - | ⊢ | ⊢ | ⊢ | - | | ⊢ | ├- | Н |
| | 21 | = | ├ | - | _ | _ | - | ├ | ├ | Н |
| 21 | | = | - | | ⊢ | _ | | - | - | Н |
| 22 | 22 | = | <u> </u> | _ | | \vdash | | <u> </u> | | Н |
| 23 | 22 23 24 | 트 | _ | <u> </u> | _ | L | | <u> </u> | <u> </u> | Ы |
| 24 | 24 | = | ! | <u> </u> | ļ | _ | | <u> </u> | ļ | Ш |
| 25 | 25 26 | = | _ | L_ | _ | <u> </u> | _ | <u> </u> | <u> </u> | \vdash |
| 26 | 26 | = | L_ | ╙ | L_ | <u> </u> | <u> </u> | <u> </u> | <u> </u> | Ш |
| 27 | 27 | = | <u> </u> | _ | L | _ | <u> </u> | L | ┕ | Ш |
| 28 | 28 | = | _ | <u> </u> | L | <u> </u> | | ╙ | _ | Ш |
| 29 | 29 | = | | _ | _ | | _ | | lacksquare | |
| 30 | 30 | = | | | | | | L | | |
| 31 | 31 | = | L | | | L | | | | Ш |
| 32 | 32 | = | | | | | L | L | $oxedsymbol{oxed}$ | $oxedsymbol{oxed}$ |
| 33 | 33 | = | | Ĺ | L | | L | | L | ot |
| 34 | 34 | = | Γ | | | | | | | |
| | 35 | | Γ. | | | | | | | П |
| | 36 | | 1 | Г | | Г | Г | Γ | Г | П |
| | 37 | 1 | Ι- | T- | Т | Ι | | | Т | П |
| | 38 | \vdash | | \vdash | Г | | | \vdash | Ι | П |
| | 39 | 1 | 1 | Т | \vdash | Ι_ | _ | \vdash | Г | Н |
| | 40 | Т | \vdash | 1 | t | | 1 | Т | | H |
| | 41 | | 1 | T | Т | 1 | \vdash | Г | \vdash | М |
| | 42 | | T | T | T | Ι- | | - | | $\vdash \vdash$ |
| | 43 | t | +- | T | \vdash | \vdash | Н | Η" | | Н |
| \vdash | 44 | +- | t- | | | | \vdash | \vdash | \vdash | \vdash |
| | 45 | ╁ | ╁ | \vdash | | \vdash | \vdash | | \vdash | \vdash |
| | 46 | \vdash | \vdash | \vdash | | ├- | +- | Н | \vdash | $\vdash \vdash$ |
| \vdash | | ₩ | \vdash | \vdash | \vdash | - | \vdash | \vdash | \vdash | Н |
| | 47 48 | ┼ | + | +- | ├ | \vdash | \vdash | - | \vdash | ╁╌┤ |
| <u> </u> | | + | \vdash | - | \vdash | ╁ | \vdash | \vdash | \vdash | ┥ |
| ⊢— | 49 | ₩ | ├ | ├- | ├ | \vdash | \vdash | ├ | ├ | |
| L | 50 | 1 | <u> </u> | <u></u> | <u></u> | <u></u> | L | L | <u></u> | ш |

| E E | Date | | | | | | | | |
|---|----------|--|--|--|--|--|--|--|--|
| 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 | | | | | | | | | |
| 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 | | | | | | | | | |
| 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 | | | | | | | | | |
| 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 | | | | | | | | | |
| 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 | _ | | | | | | | | |
| 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 | | | | | | | | | |
| 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 | | | | | | | | | |
| 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 | | | | | | | | | |
| 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 88 88 88 88 88 | | | | | | | | | |
| 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 | _ | | | | | | | | |
| 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 | _ | | | | | | | | |
| 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 | | | | | | | | | |
| 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 | | | | | | | | | |
| 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 | | | | | | | | | |
| 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 | | | | | | | | | |
| 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 | _ | | | | | | | | |
| 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 | _ | | | | | | | | |
| 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 | - | | | | | | | | |
| 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 | _ | | | | | | | | |
| 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 | _ | | | | | | | | |
| 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 | | | | | | | | | |
| 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 | | | | | | | | | |
| 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 | | | | | | | | | |
| 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 | Г | | | | | | | | |
| 70 71 72 73 74 75 76 77 78 79 80 81 81 82 83 84 85 86 87 | Η- | | | | | | | | |
| 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 | | | | | | | | | |
| 71 | _ | | | | | | | | |
| 74 | | | | | | | | | |
| 74 | | | | | | | | | |
| 74 | | | | | | | | | |
| 74 | Г | | | | | | | | |
| 76 | | | | | | | | | |
| 76 | ┢ | | | | | | | | |
| 78 79 80 81 82 83 84 85 86 87 | ⊢ | | | | | | | | |
| 78 79 80 81 82 83 84 85 86 87 | ┝ | | | | | | | | |
| 79 80 81 82 83 84 85 86 87 88 | ╙ | | | | | | | | |
| 80 81 82 83 84 85 86 87 88 | L | | | | | | | | |
| 80 81 82 83 84 85 86 87 88 | L | | | | | | | | |
| 81 82 83 84 85 86 87 88 | Г | | | | | | | | |
| 82 83 84 85 86 87 88 | | | | | | | | | |
| 83 84 85 86 87 88 | H | | | | | | | | |
| 84 85 86 87 88 | +- | | | | | | | | |
| 86 87 88 | \vdash | | | | | | | | |
| 86 87 88 | - | | | | | | | | |
| 86 87 88 | L | | | | | | | | |
| 87 88 | L | | | | | | | | |
| 88 | Γ | | | | | | | | |
| | Π | | | | | | | | |
| 89 | T | | | | | | | | |
| 90 | Н | | | | | | | | |
| 91 | \vdash | | | | | | | | |
| | - | | | | | | | | |
| 92 93 | ┖ | | | | | | | | |
| 93 | L | | | | | | | | |
| 94 | L | | | | | | | | |
| 95 | Г | | | | | | | | |
| 96 | 1 | | | | | | | | |
| 97 | ╁ | | | | | | | | |
| | \vdash | | | | | | | | |
| 98 | L | | | | | | | | |
| 99 | L | | | | | | | | |
| 100 | L | | | | | | | | |

| Tell Fig. Fig. | Claim | | | | | | ate | • | | | |
|---|----------|------|--|----------|--|----------------|--|----------|--|--|--|
| 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 149 | | | | | | | | | | | |
| 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 149 | ᡖ | B | | | | | | | | | |
| 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 149 | ≘ّا | Ö | | | | | | | | | l |
| 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 149 | u. | ō | | | | | | | | | |
| 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 149 149 | | | | | Ш | | | | | | \vdash |
| 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 149 149 | | 101 | | | | | | _ | _ | | Ш |
| 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 149 149 | | 102 | | | | | | | | | Ш |
| 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 149 149 | | 103 | | | | | | | | | Ш |
| 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 149 149 | | 104 | | | | | | | | | |
| 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 149 149 | | 105 | Ī | | | | | | | | |
| 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 149 149 | | 106 | | | | | | | | | |
| 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 149 149 | | 107 | | | | | | | | | П |
| 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 149 | | 108 | | | T | | | | | | |
| 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 149 | | 109 | - | _ | | | _ | | \vdash | | Н |
| 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 149 | | 110 | | | | \vdash | | ┢ | \vdash | - | Н |
| 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 148 149 | | 111 | \vdash | \vdash | | \vdash | \vdash | \vdash | \vdash | H | H |
| 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 148 149 | | 111 | - | \vdash | - | | _ | - | \vdash | \vdash | |
| 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 148 149 | | 112 | | <u> </u> | _ | | | - | \vdash | \vdash | \vdash |
| 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 148 149 | | 113 | | <u> </u> | <u> </u> | | | <u> </u> | - | ├ | Н |
| 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 148 149 | | 114 | \vdash | | <u> </u> | | | <u> </u> | ļ | <u> </u> | Н |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 115 | | ļ | _ | | <u> </u> | <u> </u> | <u> </u> | _ | \sqcup |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 116_ | | | L_ | oxdot | L_ | <u> </u> | <u> </u> | _ | Ш |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 117 | L | <u> </u> | <u> </u> | <u>_</u> | 匚 | _ | <u> </u> | _ | Ш |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 118 | | | <u> </u> | <u> </u> | L | | _ | _ | Ш |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 119 | | | | | L | | | | |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 120 | | | | | | | | | |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 121 | | | Ī | | | Г | | | |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 122 | \vdash | | T | | | | | | |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 123 | | | Г | | | | Г | | |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 124 | | Г | \vdash | \vdash | | \vdash | Г | | |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 125 | \vdash | ┢ | t^- | \vdash | \vdash | | T | T | П |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 126 | - | \vdash | 一 | | \vdash | 1 | | ┪ | Н |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 127 | | ┢ | t | \vdash | ┢ | | ╁ | \vdash | 1 |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 128 | ┢ | - | \vdash | ┢─ | \vdash | ┢ | - | | \vdash |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | <u> </u> | 120 | - | ⊢ | ┢ | ┢ | ┢ | ┢╌ | ┢ | ├ | |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 129 | ┝ | \vdash | ┢ | ⊢ | ⊢ | ⊢ | ⊢ | ╁ | \vdash |
| 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 130 | | ⊢ | ┝ | ├- | ⊢ | ├- | ⊢ | ⊢ | |
| 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 131 | _ | <u> </u> | - | ⊢ | <u> </u> | ⊢ | ⊢ | ├ | ⊢ |
| 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 132 | <u> </u> | | \vdash | ! | <u> </u> | L | <u> </u> | <u> </u> | \vdash |
| 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | L | 133 | L | <u> </u> | ↓_ | L | <u> </u> | <u> </u> | L_ | <u> </u> | _ |
| 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 134 | _ | _ | ┖ | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | oxdot |
| 139 140 141 142 143 144 145 146 147 148 149 | | 135 | | <u> </u> | | | L_ | L | <u> </u> | _ | \sqcup |
| 139 140 141 142 143 144 145 146 147 148 149 | | 136 | | | | | | | | | |
| 139 140 141 142 143 144 145 146 147 148 149 | | 137 | | | $oxed{oxed}$ | | | L | | L | $oxedsymbol{oxedsymbol{oxedsymbol{oxedsymbol{oxedsymbol{eta}}}}$ |
| 139 140 141 142 143 144 145 146 147 148 149 | | 138 | | | | L | | Ĺ | L | Ĺ | |
| 140 | | 139 | | | | | | | | | |
| 141 | | 140 | | Г | П | Г | П | Π | Π | | |
| 142 | | 141 | | Г | Т | | | Π | Π | | |
| 143 | \vdash | | | 1 | т | T | T | Т | 1 | | П |
| 144 | | | \vdash | T | t – | \vdash | \vdash | Т | Т | | П |
| 145 | \vdash | | | 1 | \vdash | \vdash | ┢ | † | | t | \vdash |
| 146 | | | ╁ | \vdash | + | | | - | + | \vdash | ╁╌ |
| 147 | - | 140 | \vdash | - | \vdash | ╁ | ┢ | \vdash | \vdash | \vdash | \vdash |
| 148 | <u> </u> | | \vdash | ├- | ╁ | ⊢ | ├ | ╀╌ | - | ├- | \vdash |
| 149 | <u> </u> | | - | ├ | \vdash | ⊢ | ├- | ╀ | - | ⊢ | \vdash |
| | <u> </u> | | <u> </u> | ⊢ | | ├ | \vdash | \vdash | | - | ├ |
| 150 | | | <u> </u> | <u> </u> | 1 | _ | ⊢ | \vdash | | ₩ | ـ |
| 1130 | | 150 | | L | | <u> L</u> _ | <u>L</u> | L | L | L | <u>L</u> |